IN THE CLAIMS

Pursuant to 37 CFR §121(c), the claim listing, including the text of the claims, will serve to replace all prior versions of the claims, in the application.

Please amend claims 15 and 17 as follows:

1. (Previously Presented) A wireless network system capable of tracking a location of a mobile station, comprising:

a visitor location register in which location information relating to a wireless network location of a mobile station is stored; and

a base station controller for storing the location information relating to the wireless network location of the mobile station in said visitor location register when the mobile station registers its location with said wireless network, and for confirming a location of the mobile station by dummy paging and updating the location information stored in said visitor location register when the mobile station keeps up an idle state during a certain period.

2. (Previously Presented) A private wireless network system capable of tracking a location of a mobile station, comprising:

at least one repeater dispersedly installed in sector zones of a private base transceiver station;

a visitor location register in which location information relating to a private wireless network location of a mobile station is stored, the location information including at least one of a private base transceiver station number, a sector number and a repeater number; and

a private base station controller for storing the location information relating to the private wireless network location of the mobile station in said visitor location register

11 when the mobile station registers its location with said private wireless network, and for

12 confirming the location of the mobile station by dummy paging and updating the location

13 information stored in said visitor location register when the mobile station keeps up an

14 idle state during a certain period.

1 3. (Previously Presented) A private wireless network system capable of tracking a

2 location of a mobile station, comprising:

3 a plurality of repeaters dispersedly installed in sector zones of a private base

4 transceiver station;

5 a visitor location register in which location information relating to a private

6 wireless network location of a mobile station is stored, the location information including

7 at least one of a private base transceiver station number, a sector number and a repeater

8 number;

9 a private base station controller for storing the location information relating to the

10 private wireless network location of the mobile station in said visitor location register

11 when the mobile station registers its location with said private wireless network, and for

12 confirming a location of the mobile station by dummy paging and updating the location

13 information stored in said visitor location register when the mobile station keeps up an

14 idle state during a certain period; and

15 a server for inquiring about the location information of the mobile station stored in

16 said visitor location register.

1 4. (Previously Presented) A method for tracking a location of a mobile station in a

2 wireless network, comprising the steps of:

3 storing, by a base station controller, location information relating to a wireless

4 network location of a mobile station in a visitor location register when the mobile station

5 registers its location with said wireless network;

6   confirming, by the base station controller, a location of the mobile station by

7   dummy paging when the mobile station keeps up an idle state during a certain period; and

8   updating the location information stored in said visitor location register using

9   information corresponding to the confirmed location of the mobile station.

1   5. (Previously Presented) The method according to claim 4, wherein the location

2   information includes at least one of a base transceiver station number, a sector number

3   and a repeater number.

1   6. (Previously Presented) In a private wireless network including a visitor

2   location register in which location information of a mobile station is stored, a method for

3   tracking a location of the mobile station, comprising the steps of:

4   storing, by a private base station controller of said private wireless network,

5   location information relating to a private wireless network location of the mobile station

6   in said visitor location register when the mobile station registers its location with said

7   private wireless network;

8   confirming, by said private base station controller, the location of the mobile

9   station by dummy paging when the mobile station keeps up an idle state during a certain

10   period; and

11   updating the location information stored in said visitor location register using

12   information corresponding to the confirmed location of the mobile station.

1   7. (Previously Presented) The method according to claim 6, wherein the location

2   information includes at least one of a private base transceiver station number, a sector

3   number and a repeater number.

8. (Previously Presented) In a private wireless network including at least one repeater dispersedly installed in sector zones of a private base transceiver station and a visitor location register in which location information of a mobile station is stored, a method for tracking a location of the mobile station, comprising the steps of:

storing, by a private base station controller of said private wireless network, the location information of the mobile station in said visitor location register when the mobile station registers its location with said private wireless network, the location information including at least one of a private base transceiver station number, a sector number and a repeater number with respect to the mobile station;

confirming, by said private base station controller, the location of the mobile station by dummy paging when the mobile station keeps up an idle state during a certain period; and

updating the location information stored in said visitor location register using information corresponding to the confirmed location of the mobile station.

9. (Previously Presented) In a private wireless network including a visitor location register and a server representing location information of a mobile station, a method for tracking a location of a mobile station, comprising the steps of:

storing, by a private base station controller of said private wireless network, location information relating to a private wireless network location of the mobile station in said visitor location register when the mobile station registers its location with said private wireless network;

confirming, by said private base station controller, the location of the mobile station by dummy paging when the mobile station keeps up an idle state during a certain period;

updating the location information stored in said visitor location register using information corresponding to the confirmed location of the mobile station; and

13 transmitting, by said private base station controller, the location information of the

14 mobile station to said server when the location information of the mobile station is stored

15 in said visitor location register.

1 10. (Previously Presented) A method for tracking a location of a subscriber

2 mobile station, comprising the steps of:

3 storing location information when the subscriber mobile station executes location

4 registration, the location information including a private base transceiver station number,

5 a sector number and a repeater number with respect to the subscriber mobile station;

6 periodically transmitting, to a server, an inquiry message about a state of the

7 subscriber mobile station;

8 requesting, by the server, a private base station controller to access location

9 information stored in a visitor location register in response to the inquiry message;

10 transmitting, by the private base station controller, location information stored in

11 the visitor location register to the server in response to the requesting by the server;

12 transmitting, by the server, the location information received from said private

13 base station controller to a client;

14 receiving, by the client, the location information from said server, and providing a

15 user with a location and a state of a mobile station according to the received location

16 information; and

17 confirming, by the base station controller, the location and the state of the

18 subscriber mobile station by dummy paging and updating the location information of said

19 visitor location register when the mobile station keeps up an idle state during a certain

20 period, and then transmitting the updated location information to said server.

Claim 11. (Cancelled)

1   12. (Previously Presented) A method for tracking a location of a subscriber,

2   comprising the steps of:

3   storing location information when a mobile station executes location registration,

4   the location information including a private base transceiver station number, a sector

5   number and a repeater number with respect to the mobile station;

6   designating a subscriber mobile station, and requesting a client to inquire about a

7   state of the subscriber mobile station, the client transmitting a message inquiring about

8   the state of the subscriber mobile station to a server in response to a request by a user;

9   requesting a private base station controller to confirm a location and the state of

10   the subscriber mobile station in response to the message transmitted by the client; and

11   confirming, by the private base station controller, the location and the state of the

12   subscriber mobile station by dummy paging, updating location information stored in a

13   visitor location register, and transmitting, by the private base station controller, the

14   updated location information to said server in response to a request by the server.

1   13. (Previously Presented) The method according to claim 12, further comprising

2   the steps of:

3   transmitting, to the client, the location information transmitted by said private

4   base station controller; and

5   receiving, by the client, location information transmitted by said server, and

6   providing a user with the location and the state of the subscriber mobile station according

7   to the received location information.

1   14. (Previously Presented) The method according to claim 10, further comprising

2   the step of transmitting the location information stored in said visitor location register

3   directly to the server, remote from the visitor location register, in response to the

4   requesting by the server.

15. (Currently Amended) The private wireless network system of claim 3, said server being connected to said private base station controller through a local area network, ~~and a~~ the plurality of repeaters being connected to the private base transceiver station, and the private base transceiver station being connected to said private base station controller.

16. (Previously Presented) The private wireless network system of claim 15, further comprising a client which is informed of the location information by said server, said client being connected to said server, said server not accommodating a communication link between mobile stations.

17. (Currently Amended) The method of claim 13, said client being connected to said server, said server being connected to said private base station controller through a certain network, [[and]] a plurality of repeaters being connected to the private base transceiver station, and the private base transceiver station being connected to said private base station controller.